



POLAND

Director: Prof Dr F. PRZESMYCKI, technical aid: A. BACINSKA

"Epidemic Situation of Poliomyelitis in Poland in 1961"

Warsaw, Przegląd Epidemiologiczny, Vol XVI, No 4, 1962,  
pp369-375.

Abstract: /Author: English summary modified/ The profound influence on the epidemiology, etiology and clinical picture of poliomyelitis of the introduction of mass immunization with attenuated polio vaccines in 1959 is discussed. Observations on the influence and effect of immunizations with such vaccines on the epidemic situation of poliomyelitis in Poland are reported. 4 tables, 2 diagrams; 5 Polish references.

12/2

WAJSZCZUK, W.

ASKANAS, Zdzisław; GARBNER, Mieczysław; LUKASIK, Elżbieta; STOPCZYK, Mariusz;  
WAJSZCZUK, Waldemar

Comparison of stereocardiogram with spatial vectogram. Polski tygod.  
lek. 12 no.35:1341-1344 26 Aug 57.

1. Z IV Kliniki Chrob Wewnętrznych A. M. w Warszawie; kierownik Kliniki:  
prof. Z. Askanas.

(VECTOCARDIOGRAPHY,

comparison of stereocardiogram with spatial vectogram (Pol))

WAJSZCZUK, Waldemar

ASKANAS, Zdzisław, GARBER, Mieczysław, LUKASIK, Młzbieta, WAJSZCZUK, Waldemar,  
STOPCZYK, Mariusz

Stereocardiographic changes following commissurotomy. Polski tygod.  
lek. 13 no. 15:542-546 14 Apr 58

1. (z IV Kliniki Chorob Wewnętrznych A.M. w Warszawie; kierownik:  
prof. dr med. Zdzisław Askanas). Adres: ul. Oczki 6, IV Klin. Chor. Wewn.  
A.M.

(COMMISSUROTOMY,  
postop. spatial vectorcardiography (Pol))  
(VECTOCARDIOGRAPHY,  
spatial, after commissurotomy (Pol))

STOPCZYK, Mariusz; KORCZAK, Leonard; WAJSZCZUK, Waldemar

Possibility of the application of high tension in spatial vectocardiography. Postepy hig. med. dosw. 13 no.3:329-333 1959  
(VECTOCARDIOGRAPHY)

ASKANAS, Z.; STOPCZYK, M.; LUKASIK, E.; WAJSZCZUK, W.

On the problem of diagnostic discrepancies of electrocardiograms  
and vectorcardiograms. Kardiol. polska 4 nc.4:261-272 '61.

1. Z IV Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik:  
prof. dr Z. Askanas.  
(ELECTROCARDIOGRAPHY) (VECTORCARDIOGRAPHY)

WATORSKI, Kazimierz; WAJSZCZUK, Waldemar

Coronary disease among physical workers in the M. Kasprzak Radio  
Factory in Warsaw. Postepy hig. med. dosw. 15 no.6:753-758 '61.

1. Z IV Kliniki Chorob Wewnetrznych AM w Warszawie Kierownik:  
prof. dr Z. Askanas.  
(CORONARY DISEASE statist) (OCCUPATIONAL DISEASES statist)

ASKANAS, Z.; LUKASIK, E.; STASZEWSKA, J.; STOPCZYK, M.; WAJSZCZUK, W.; przy  
wspoludziale matematycznym SURY, J.

Vectorcardiographic analysis of the initial segment of the ventricular  
complex. Kardiol. Pol. 5 no.2:77-86 '62.

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dr Z. Askanas.

(VECTORCARDIOGRAPHY)



WALSZEL D.

5772

6-014-22193

Mrowec S., Walszel D., Werber T. Corrosion of Iron and Steel at High Temperatures.

„Korozja zelaza i stali przy wysokich temperaturach”. Hutnictwo. No. 1-2, 1958, pp. 28-43, 10 figs., 1 tab.

A discussion of the mechanism of the formation of scale on iron and steel. Scale develops in more than one layer. At temperatures of less than 580°C, there are two layers one of magnetite the other of hematite. Above this temperature there are three layers since the „wüstite” or FeO layer forms in between the unattacked metal and the rest of the scale. The rate at which scale develops is determined by the rate of diffusion of iron loss through the scale. The acceleration of scale above 580°C is due to the formation in the scale of the „wüstite” phase, in which the concentration of empty nodes in the carbon grid may amount to 10 per cent at. In accordance with the Wagner-Hauffe theory, such a high concentration of grid defects cannot be reduced to any significant degree by the introduction into the alloy of admixtures forming a solid solution with iron oxides. The resistance of steel to corrosion at high temperatures is directly associated with the temperature at which the „wüstite” phase appears in the scale. The fundamental problem in obtaining good heat resisting steel is the prevention of the formation of the „wüstite” phase in the conditions in which the steel will be used. This can be achieved by using such additions in the alloy as will inhibit the diffusion of iron ions by forming spinel layers or obstructing oxide layers.

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WAJSZEL, D.  
PROWEC, S.  
WERBER, T.

Oxidation of metallic alloys at high temperatures. p. 709

WIADOMOSCI CHEMICZNE. (Polskie Towarzystwo Chemiczne)  
Wroclaw. Vol. 12, no. 11, Nov. 1958  
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959  
Uncl.

P.T.A WAKALSKI, M.

697

629,113 : 6219

Wakalski, M. Workshop Bays for Machining of Motor Vehicle Parts.

„Ginlarza obrabki czesci samochodowych” Przegląd Mechaniczny No. 9, 1950, pp. 299-307, 17 figs., 1 tab.

The article deals with differences in planning and production process as affected by the arrangement of machine tools in groups and in individual machining bays. After dealing with the arrangement of bays for the machining of motor vehicle parts, the author discusses the preparation of parts for the machining in bays and gives examples for the arrangement of machine tools. Details are also given of observations made in practice, together with the method of rearrangement of a group system into a system of bays, due allowance being made for the conveying equipment. The author discusses working conditions for the staff, and the problem and method of quality control, and goes on to deal with the effect of specialization on the capacity of bays and to advance recommendations as to general planning method and preparation of the production process.

PTA WAKALSKI, M.

5

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Wakalski M. Economic Cutting Speed for High-Speed Machining.

„Ekonomiczna szybkość skrawania w obróbce szybkościowej”.  
Przegląd Mechaniczny. No. 3, 1951, pp 71—76, No. 4, 1951, pp. 108—  
111, 5 figs., 1 tab.

Success and further progress in the application of high-speed cutting depends on taking account of the economics of cutting, together with the economic results of the introduction of this method. Factors to be kept in view when applying high-speed machining. The economic duration of the cutting edge between regrindings is a result of technical organization and economical conditions in industrial plants. Economical machining speed is a necessary condition for minimal manufacturing costs. Economic savings from using tools of sintered carbides can be obtained only when cutting speeds are fixed with a view to the optimal period during which the cutting edge can be kept sharp. Further analysis is necessary to enable the degree of economy of high-speed machining to be judged.

Wakabek M. Machining Bays in Large Quantity Serial Production.  
 „Główna obróbka w produkcji wielkoseryjnej”. Przegląd Mecha-  
 niczny. Nr. 1, 1954, pp. 18-22, 5 figs.  
 In large quantity production, bays are concerned with the machi-  
 ning of various parts technologically similar one to the other. The  
 author deals with the importance, as regards technological similarity of  
 such parts, of making an analysis on the basis of which any given com-  
 struct can be technologically classified. Attention is drawn to the  
 fact that gradual synchronization of operations and the discovery of  
 a production rhythm are essential prerequisites in organizing operation  
 bays. Recommendations are given as to the selection of machine tools  
 for individual bays, planning and production accounting in bays, as  
 well as to organizing quality control. The author stresses the impor-  
 tance of mechanized transport as between the operations in the bays.

WAKEMAN, C.

"Ways of Realizing Recommendations of the 9th Plenum of the Central Committee of the Polish United Workers Party in the Garment Industry."  
p. 21, (ODZIEZ, Vol. 5, No. 2, Feb. 1954. Lodz, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC,  
Vol. 3, No. 12, Dec. 1954, Uncl.

WAKSMAN, C., IEPLA, K.

~~Trends in the development of technology and organization of products~~  
of the clothing industry. p. 225

Odzież

Lodz

Vol. 6, no. 6, Nov. 1955

Source: East European Accessions List (IEAL), LC. Vol. 5, no. 3, March 1956

WIKELMAN, J.

"Organization of Water Management", P. 345, (WISZCZYNSKA WODNA, Vol. 14, No. 9, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (TEML), IG, Vol. 4, No. 5, May 1955, Uncl.



WAKSMAN, J.

The project of branch instruction on the principles of elaboration of designs and estimates for the building of dams. p. 395.

GOSPODARKA WODNA. (Naczelna Organizacja Techniczna) Warszawa.  
Vol. 11, no. 10, Oct. 1954.

SOURCE: East European Accessions List (EEAL), Library of Congress,  
Vol. 5, no. 7, July 1956.

WAKSMAN, J.

Hydroelectric-power plants in Gospodarka Wodna, 1935-1954. p.12.  
GOSPODARKA WODNA (Naczelna Organizacja Techniczna) Warszawa  
Vol. 16, no. 1, Jan. 1956

So. East European Accessions List

Vol. 5, No. 9

September 1956



BC

Q-1

Connection between dielectric potential and dissociation constant of certain organic bases. A. WAKAMURA (Rec. Chem., 1938, 18, 865-868).—The dissociation const. of surface-active bases (o- and p-toluidine, NPhMe, cyclohexylamine) is given by  $K = 10^{-14-p}$ , where  $p$  is the  $p_H$  at which inflexion of the dielectric potential- $p_H$  curve is observed, at room temp. R. T.

ASM-6LA METALLURGICAL LITERATURE CLASSIFICATION

FROM STYRENE

FROM BOWTAY

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1ST AND 2ND SERIES		PROCESSING AND PROPERTIES IN CS	
2			
<p>Electrocapillary properties of the aqueous solutions of pyridine and quinoline and some of their derivatives at different hydrogen-ion concentrations. Andrzej Walsmundski. <i>Ann. Univ. Mariae Curie-Skłodowska Lublin-Polonia</i>, Sect. AA, 1, 7-28(1946)(English summary).-- The surface potentials and surface tensions of pyridine, 2-picoline, 3-picoline, 2,4,6-trimethylpyridine, quinoline, isoquinoline, quinaldine, lepidine, and 2,3,4-tetrahydroquinoline were detd. in aq. solns. of various concns. and at various pH. The exptl. results (presented in tables) are discussed. H. H. Benant</p>			
A.B.S.A. METALLURGICAL LITERATURE CLASSIFICATION		C-27-7-1-1277	
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Th; relation between surface tension and surface potential. Andrusz-Waksmundski. *Ann. Univ. Mariae Curie-Skłodowska Lublin-Polonia*, Ser. AA, 1, 49-61 (1946).—In all compds. studied (cf. preceding abstr.) except 1,2,3,4-tetrahydroquinoline, there was observed an inverse relation between the surface potential and surface tension. The plot of surface potential against percentage change of surface tension gives at first a linear relation. With increasing values of percentage change of surface tension, however, the surface potential increases at a slower rate. The broadening of the curve is attributed to electrostatic repulsions of dipoles with an increasing concn. of adsorbed mole. at the surface. H. H. Samant

530.5 A METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

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Measuring the surface tension by tenalometer. Andrej Wokosinski. Ann. Univ. Mariae Curie Sklodowska Lublin-Polonia, Sect. AA, 3, 125-81 (1947) (English summary).—The surface tensions of 0.01 M quinine and 0.004 M cinchonidine were measured by a ring-detachment method. The result was 13% different from previous method. The result was 13% different from previous method. The result was 13% different from previous method. Thus stalagmometric and dilac-potential measurements cannot be applied to soles. of high mol. wt., particularly to colloids, unless some specific conditions are strictly observed. Results of surface-tension measurements at various H-ion concns. are presented in graphs. Statistical and stalagmometric values are different, owing to the surface adsorption of mols. of quinine-HCl and then of the free base, being liberated by gradual addn. of KOH to the soles. J. Nowinska

ASAC LA METALLURGICAL LITERATURE CLASSIFICATION

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11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



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Surface tension of aqueous solutions of pyridine and of some of its methyl derivatives. Andrzej Wokosinski. *Ann. Univ. Mariae Curie-Skłodowska Lublin-Poland. Ser. AA*, 5, No. 1, 63-68 (1960) (English summary).—In-  
vestigated were pyridine, 2-picoline, 3-picoline, 2,6-lutidine, 2-collidine, and piperidine in concns. of 0.001-0.1 mol./l. at 25°. The curves obtained for  $\Delta\sigma$ : change in the surface potential ( $\Delta\sigma$ ) with concn. (c) are expressed well by the Langmuir equation. Although the dipole moments of these substances vary, they all had very similar limiting values of their potentials. By expressing the electrocapillary activity of these compounds by Langmuir's equation it could be seen that the electrocapillary activity was detd. by the increase in molecular gravity in a mol. and by change in its asymmetry. The size of the mol. and the asymmetry affected the surface tension in a similar manner. Further were calcd. the no. of adsorbed mols. per sq. cm. ( $\Gamma$ ) at a given concn. and the same for a unit surface. From these were calcd. the area occupied by a gram-mol. of adsorbed substance and by a single mol. It is said, since this area depended not only on the kind of polar group but on the vol. and shape of the hydrophobic group as well. Next was computed the vertical component of the elec. moment for oriented mols. in the surface film. The ratio  $\Delta\sigma:\Gamma$  was not const. For 3-picoline and 2,6-lutidine this ratio increased with concn., whereas for 2-picoline and pyridine it first decreased and then increased. M. Hlozek

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Chrom. Adsorp  
1951

• Chromatographic adsorption. Andrzej W. Ksiazynski  
(Curie-Skłodowska Univ., Lublin, Poland). *Wiedomosci*  
*Chem. J.* 100-83(1919).—A review with 31 references.  
Adam B. Ksiazynski

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CA

Properties of adsorbed layers of quinoline and some methyl derivatives of quinoline at the surface of their aqueous solutions. Andrzej Wąkuliński (Univ. Maria Curie-Skłodowska, Lublin, Poland). *Inst. Chem. Maria Curie-Skłodowska, Lublin, Poland, Sect. AA, 4, 12* (in English). 64-64 (1940) (Pub. 1951).-- Surface tension and surface potential variations in aq. solns. of quinoline and surface potential of quinoline compounds. The limiting value of surface potential of quinoline compounds is not common to all, as it is in case of compounds of aliphatic homologous series. This fact probably has a connection with different values of the vertical component of the elev. moment of oriented mols. Curves of solns. were investigated from dil. to satd. state. Lowering of surface tension is a function of concn. and reaches its max. in satd. soln. Sylvia Nowinska

WAKSMUNDZKI, A.

Analytical Abst.  
Vol. 1 No. 4  
Apr. 1954  
Inorganic Analysis

Chem. abstr.  
Vol. 48, No. 9  
May 10, 1954

377. Phenylhydroxy-acids as reagents in inorganic analysis. I. Mandelic acid as reagent for lead ions.  
A. Waksmundzki and B. Szucki (*Ann. Univ. M. Curie-Skłodowska, A.1*, 1951, 6, 63-72).—Results of conductimetric and gravimetric determinations of Pb<sup>2+</sup> in 50% cent. ethanol soln. show that mandelic acid can be used for quant. estimation of Pb<sup>2+</sup>. The formula of the ppt. obtained by adding mandelic acid to Pb(NO<sub>3</sub>)<sub>2</sub> has been established as Pb(OOC-CHOH-C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>. From Pb acetate soln. mandelic acid precipitates Pb(OOC-CHOH-C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>, Pb(OOC-CH<sub>3</sub>)<sub>2</sub>.

S. K. LACHOWICZ

WAKSMUNDZKI, A.

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Paper chromatography of nitrotoluidines. A. Waks-  
mundzki and Jaroslaw Ogiński. Chem. Abstr. (Warsaw) 4,  
115-17 (1959) (English summary).—Sepn. of isomeric nitro-  
toluidines (I) by paper chromatography is described.  
Whatman No. 3, paper wetted with H<sub>2</sub>O and air-dried  
at room temp. was used. A 0.5% C<sub>6</sub>H<sub>6</sub> soln. of I were  
put on the strip 3.5 cm. from one edge. Hexane satd.  
with H<sub>2</sub>O was used as mobile phase. The chromato-  
gram was run to 18 cm. (about 1.5 hr.). 1-2 spots were  
found without developer. The term of coef. of moisture  
(W<sub>0</sub>), defined as the wet/dry wt. ratio of paper was intro-  
duced. The best sepn. was obtained when W<sub>0</sub> = 1.45-  
1.51. R<sub>f</sub> values were: 0.95, 0.90, 0.78, 0.61 for 4-nitro-*m*-  
toluidine, 3-nitro-*o*-toluidine, 3-nitro-*p*-toluidine, *o*-nitro-  
aniline; 0.59, 0.30 for 6-nitro-*o*-toluidine and 2-nitro-*p*-  
toluidine (II); 0.46, 0.25 for 4-nitro-*o*-toluidine (III) and *m*-  
nitroaniline; 0.22, 0.18, 0.05, and 0.05  $\gamma$  for 6-nitro-*m*-  
toluidine, 6-nitro-*o*-toluidine, 2-nitro-*m*-toluidine and *p*-  
nitroaniline. Good results were obtained in sepg. III  
(R<sub>f</sub> 0.46) and II on paper wetted with 5% aq. HCOOH;  
the R<sub>f</sub> were 0.27 for III and 0.10 for II. The effect of sub-  
stitution position in the benzene ring on R<sub>f</sub> of amines is  
discussed. Z. Kurtzka-

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WAKSMUNDZKI, A. ; OSCIK, J.

Paper chromatography of nitrotoluidines. p. 113.

CHIMIA ANALITYCZNA. Warszawa, Poland. No. 8, August 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11  
November 1959.

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WAKSMUNDZKI, Andrzej; SOCZEWINSKI, Edward

Parameters influencing  $R_f$  values of organic amphoteric substances  
buffered paper chromatography. Roczniki chemii 33 no.6:1423-1430 '59.  
(EEAI 9:9)

1. Zaklad Chemii Fizycznej Uniwersytetu Marii Sklodowskiej-Curie,  
Lublin i Zaklad Chemii Nieroganicznej Akademii Medycznej, Lublin.  
(Organic compounds) (Chromatography)  
(Amphoteric substances)

WAKSMUNDZKI, Andrzej; SZCZYPA, Jerzy

The magnitude of the potential of fluorite powder electrodes  
in the presence of flotation reagents. Przem chem 39 no.6:  
330-332 Je '60.

1. Pracownia Zakladu Fizykochemii Zjawisk Powierzchniowych,  
Polska Akademia Nauk, Lublin



WAKSMUNDZKI, Andrzej; BARCICKA, Anna;

Influence of adding of non-polar liquid upon the collecting capacity of cation collectors in the process of quartz flotation. Przem chem 39 no.12:773-776 D '60.

1. Pracownia Zakladu Fizykochemicznych Zjawisk Powierzchniowych, Polska Akademia Nauk, Warszawa

WAKSMUNDZKI, Andrzej; PRZYBOROWSKA, Maria

Chromatographic determination of the content of quinoline bases in stripping oil. Ann. Univ., Lublin sect.D 16:183-187 '61.

1. Z Katedry i Zakladu Chemii Nieorganicznej Wydzialu Farmaceutycznego Akademii Medycznej w Lublinie Kierownik: prof. dr Andrzej Waksmundzki.  
(QUINOLINES) (OIL)

WAKSHUNDZKI, A.

SURNAME (in caps); Given Names

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Academic Degrees: Not stated

Affiliation: Department of Physical Chemistry, Lublin University  
(Zakład Chemii Fizycznej, Uniwersytet, Lublin)

Source: Warsaw, Bulletin de l'Académie Polonaise des  
Sciences, Série des Sciences Chimiques, Vol 9,  
No 3, Mar 61, pp 155-158.

Data: "A Paper Chromatography Method for Determination  
of Suitable Solvent Systems for Countercurrent  
Distribution. A. Theoretical Considerations."

Co-author:

SOCZEWINSKI, E., Academic degrees not stated, Department  
of Inorganic Chemistry, Academy of Medicine (Zakład  
Chemii Nieorganicznej, Akademia Medyczna), Lublin.

SOCZEWINSKI, E.; WAKSMUNDSKI, A.

On the relation between the  $R_f$  coefficient and hydrogen ion concentration in buffered paper chromatography. *Bul chim PAN* 9 no.6:445-449 '61.

1. Department of Inorganic Chemistry, Medical Academy, Lublin and Department of Physical Chemistry, University, Lublin. Presented by B. Kamienski.

WAKSMUNDSKI, A.; RATAJEWICZ, Z.

The use of the dynamic condenser method for measurement of electric potentials on solid insulator - water solution interfaces. Bul chim PAN 9 no.6:451-453 '61.

1. Laboratory of Physical Chemistry of Surface Phenomena, Lublin and Institute of Physical Chemistry, Polish Academy of Sciences. Presented by B. Kamiński.

L 05309-67 EWP(j) RM  
ACC NR: AP7000216 (N)

SOURCE CODE: 10/0099/66/040/002/0265/0270

WAKSMUNDZKI, A. and GROSS, J., of the Department of Physical Chemistry, M.  
Curie-Sklodowska University (Katedra Chemii Fizycznej Uniwersytetu M. Curie-  
Sklodowskiej) Lublin. 13  
B

" $R_f$  and  $R_m$  Coefficients of Some Naphthols in Systems of the Type: Nonpolar  
Solvent-Dimethylsulphoxide - Glycerol"

Warsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 265 - 270

Abstract (Authors' English abstract): The relationship between  $R_f$  and  $R_m$   
coefficients of some naphthols and the composition of the polar or non-polar  
phase were determined. In most cases the  $R_m$  coefficients were found to be addi-  
tive in respect to the composition of the mixed phase. Orig. art. has: 5 figures.

[JPRS: 36,002]

TOPIC TAGS: organic solvent, glycerol, DMSO

SUB CODE: 07 / SUBM DATE: 13 Apr 65 / ORIG REF: 004 / OTH REF: 008

KH

Card 1/1

WAKSMUNDZKI, Andrzej; BARCICKI, Janusz

Determination of the optimal solvent system for Craig's method from paper chromatographic data. I. Roczniki chemii 35 no.5:1363-1372 '61.

1. Department of Physical Chemistry, M. Curie-Sklodowska University, Lublin and Department of Inorganic Chemistry, Medical Academy, Lublin.

WAESMUNDZKI, Andrzej; BARCICKI, Janusz

Physico-chemical processes in the system: mixed collector(oleic acid kerosene) — alkaline aqueous solution. Rocz chemii 35 no.5:1373-1380 '61.

1. Laboratory of the Department of Physico-chemical Surface Phenomena, Institute of Physical Chemistry, Polish Academy of Sciences, Lublin.



WAKSMUNDSKI, Andrzej; RATAJEWICA, Zbigniew

Measurements of electrical surface potentials using the dynamic condenser method. *Rocz chemii* 35 no.6:1717-1726 '61

1. Pracownia Zakładu Fizykochemii Zjawisk Powierzchniowych, Instytut Chemii Fizycznej, Polska Akademia Nauk, Lublin.

WAKSMUNDZKI, Andrzej; OSCIK, Jaroslaw; MATUSEWICZ, Janusz; NASU... ~~Romuald~~;  
ROZYLO, Jan

Structure of silica gels, specifically adsorbing pyridine,  
quinoline and acridine. Pt. 1. Przem chem 40 no.7:387-390  
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Sklodowskiej, Lublin.

NASUTO, Romuald; WAKSMUNDZKI, Andrzej; OSCIK, Jaroslaw; ROZYLO, Jan

The heat of wetting specifically active silica gels with some organic solvents. Przem chem 40 no.8:432-433 Ag '61.

1. Katedra Chemii Fizycznej Uniwersytetu im M. Curie-Skłodowskiej Lublin.

WAKSMUNDZKI, Andrzej; OSCIK, Jaroslaw; NASUTA, Romuald; ROZYLE, Jan

The structure of pyridine adsorption layers on silicagels specifically activated with respect to some heterocyclic bases. Przem chem 40 no.9: 527-529 S '61.

1. Katedra Chemii Fizycznej, Uniwersytet im, Curie-Sklodowskiej,  
Lublin.

WAKSMUNDSKI, Andrzej; OSCIK, Jaroslaw; ROZYLO, Jan; NASUTO, Romuald

Energetic effects of pyridine adsorption on silicagels specifically activated with respect to some heterocyclic bases. *Przem chem* 40 no.10:565-567 0 '61.

1. Katedra Chemii Fizycznej, Uniwersytet im. M. Curie-Sklodowskiej, Lublin.

BARCICKI, Janusz; WAKSMUNDZKI, Andrzej; MARUSZAK, Edward

A new method of measuring directly the adhesive force between a mineral particle and an air bubble during elementary flotation processes. *Chemia stosow* 6 no.1:99-106 '62.

1. Instytut Chemii Fizycznej, Polska Akademia Nauk, Pracownia Zakladu Fizykochemii Zjawisk Powierzchniowych, Lublin, i Zespola Katedra Chemii Fizycznej i Technologii Chemicznej, Uniwersytet im. Marii Curie-Sklodowskiej, Lublin.

WAKSMUNDZKI, Andrzej; SOCZEWINSKI, Edward; PRZYBOROWSKA, Maria

The factor  $R_f$  of organic electrolytes in linear and circular chromatography by means of the buffered filter paper method. Chem anal 7 no.5:989-993 '62.

1. Department of Inorganic Chemistry, Academy of Medicine, Lublin.

WAKSMUNDZKI, Andrzej; SUPRYNOWICZ, Zdzislaw; PIETRUSINSKA, Teresa

The effect of stationary phase composition on the separation of  
some saturated hydrocarbons by gas-liquid partition chromatography.  
Chem anal 7 no.6:1043-1050 '62.

1. Department of Physical Chemistry, M.Curie-Sklodowska University,  
Lublin.



WAKSMUNDZKI, Andrzej; SUPRYNOWICZ, Zdzisław; MANKO, Regina

Zircon concentrates as a supporting material in gas-liquid partition chromatography. Chem anal 7 no.6:1051-1058 '62.

1. Department of Physical Chemistry, M. Curie-Sklodowska University,  
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WAKSMUNDZKI, Andrzej; RATAJEWICZ, Danuta; SOCZEWSKI, Edward

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Medycznej w Lublinie Kierownik: prof. dr A. Waksmundzki.  
(ALKALOIDS chem) (STRYCHNINE chem)

WAKSMUNDZKI, Andrzej; KACZOR, Maria

Partition by means of paper chromatography of adrenalin racemate into optically-active isomers. Acta pol. pharm. 19 no.2:142-147 '62.

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(CHROMATOGRAPHY) (EPINEPHRINE chem)

JUSIAK, Leon; SOCZEWINSKI, Edward; WAKSMUNDZKI, Andrzej

Partition of chelidonine and protopine by means of countercurrent cascade extraction. Acta pol. pharma. 19 no.3:193-198 '62.

1. Z Zakladu Chemii Nieorganicznej Akademii Medycznej w Lublinie  
Kierownik: prof. dr. A. Waksmundzki.  
(CHELIDONIUM chem) (ALKALOIDS chem)  
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On the relation between the composition of the mixed stationary phase and the retention time in gas-liquid partition chromatography. Coll Cz Chem 27 no.8:2001-2006 Ag '62.

1. Department of Physical Chemistry, University Lublin, Poland.

S/081/63/000/001/028/061  
B144/B186

AUTHORS: Waksmundzki, Andrzej, Ratajewicz, Zbigniew

TITLE: Measurements of electrical surface potentials using dynamic capacitors

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 99, abstract 1B690 (Roczn. chem., v. 35, no. 6, 1961, 1717-1726 [Pol.; summaries in Russ. and Eng.] )

TEXT: The surface potentials (SP) of water and aqueous solutions of KCl (0.01-0.1 N) were measured with a dynamic capacitor in the presence of pyridine, picoline and quinoline. The data obtained are not consistent with the SP determined previously by one of the authors by the flow method. This inconsistency is explained by a suggestion that volatile surfactants are adsorbed on the surface of the metal plates of the capacitor. This hypothesis offers an explanation for the change of the SP sign with low surfactant concentrations, and is confirmed by measurements of the time-dependence of surface potentials. [Abstracter's note: Complete translation.] ✓

Card 1/1

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Influence of the drying conditions of hydrogels on the change of the adsorption capacity of specific silicagels. Przem chem 41 no.3:129-130 Mr '62.

1. Katedra Chemii Fizycznej Uniwersytetu im. Marii Curie Sklodowskiej

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1. Katedra Chemii Fizycznej, Uniwersytet im. M. Curie-Skłodowskiej, Lublin 1  
Instytut Badań Jądrowych, Warszawa.



WAKSMUNDZKI, Andrzej; SOCZEWSKI, Edward; RATAJEWICZ, Danuta

Chromatographic separation of some acridine derivatives. Chem  
anal 8 no.1:103-106 '63.

1. Department of Inorganic Chemistry, Faculty of Pharmacy,  
Academy of Medicine, Lublin.

WAKSMUNDZKI, Andrzej; ROZYLO, Jan; OSCIK, Jaroslaw

Thin-layer chromatography of nitroanilines. Chem anal 3 no.6:  
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1. Department of Physical Chemistry, M.Curie-Sklodowska University,  
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WAKSMUNDZKI, Andrzej; WAWRZYNOWICZ, Teresa; WOLSKI, Tadeusz

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(MERCAPTOPURINE) (CHROMATOGRAPHY)

WAKSMUNDZKI, Andrzej, prof. dr; PRZESZLAKOWSKI, Stanislaw, mgr

Application of 2-thio-4-amino-5-nitroso-6-hydroxypyrimidine to  
the colorimetric determination of some metals. Pt.1. Chem anal  
9 no.1:69-76 '64.

1. Department of Inorganic Chemistry, Medical Academy, Lublin.

POLAND

WAKSMUNDZKI, Andrzej, prof. dr; RATAJEWICZ, Danuta, dr.

Dept. of Inorganic Chemistry, Pharmaceutical Section,  
Lublin Medical Academy (Katedra Chemii Nieorganicznej  
Wydziału Farmaceutycznego Akademii Medycznej, Lublin)  
(for both)

Warsaw, Chemia analityczna, No 6, Nov-Dec 1965, pp 1129-31

"Influence of the organic phase type on the course of  
the dependence  $R_p = f(\text{pH})$  of some acridine derivatives."

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WAKSMUNDZKI, Andrzej; ROZYLO Jan.

Department of Physical Chemistry. M. Curie-Skłodowski  
University of Lublin (Katedra Chemii Fizycznej Uni-  
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clature."

WAKULA - UN

3703

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Wakula W. M. S. „Gdańsk” — 4000 DWT General Cargo Vessel.  
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MN

Detailed technical description of the general cargo vessel M.S. „Gdańsk” — one of a series being built in Polish shipyards to the order of the Levant Line. Length between perpendiculars — 104.5 m; gross tonnage — 3222; engine — 3820 HP. Review of the steel construction of the hull, deck equipment, holds and living quarters, and engine room. With the article are photographs of the vessel, together with general and engine room plans, righting arm curves for three states of load line and cross-sectional arrangement of the hull.

WAKULA, Witold, mgr., inz.

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Error propagation of multisheet schemes for quasi-linear hyperbolic differential equations. Bul Ac Pol mat 11 no.2:55-59 '63.

1. Institute of Mathematics, Polish Academy of Sciences,  
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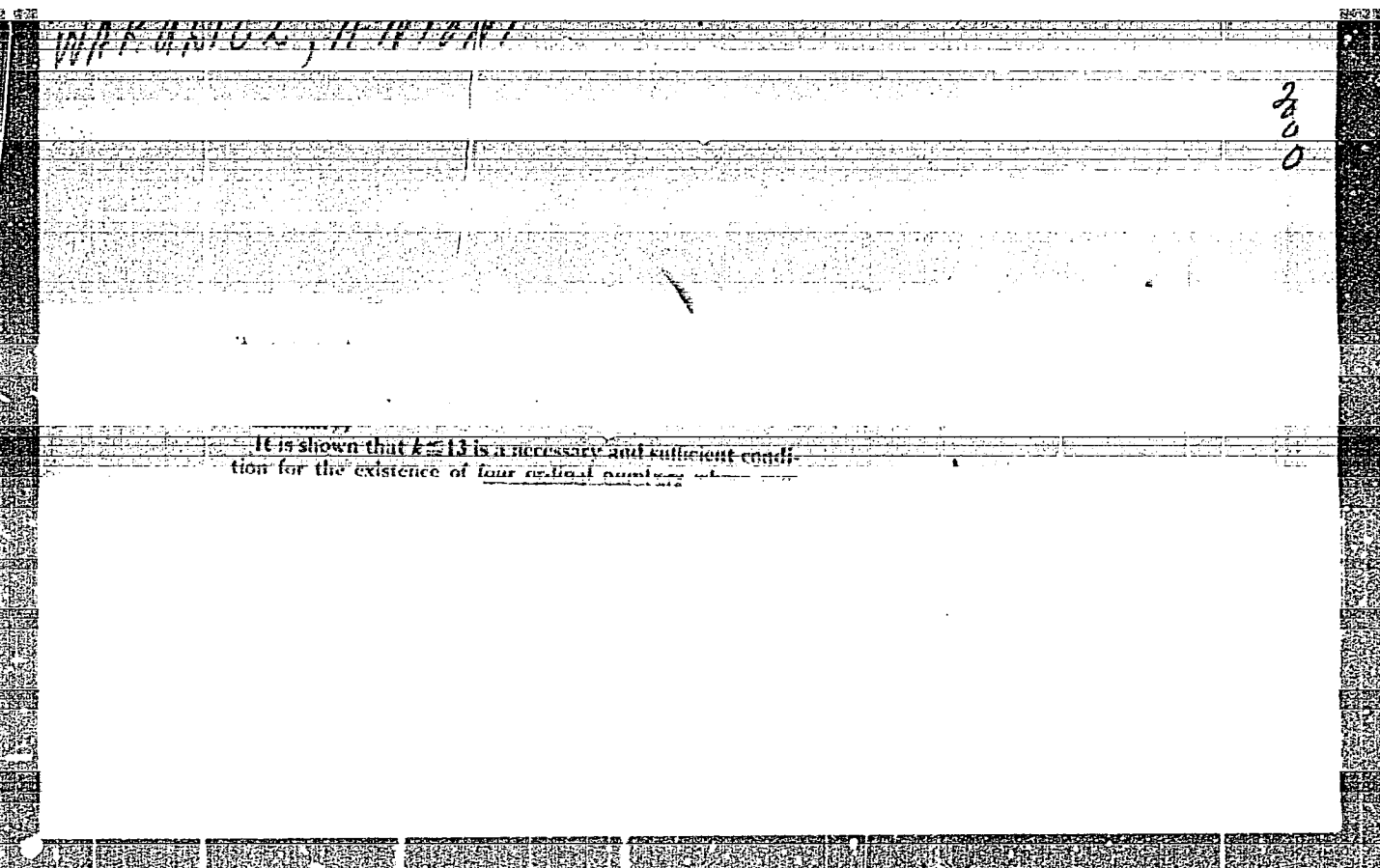
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Convergence theorems of multistep schemes for quasi-linear hyperbolic differential equations. *Dokl. Akad. Nauk Pol. 11 no.2:61-65 '63.*

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The method of characteristics for a multidimensional gas flow. Archiw mech 16 no.2:179-187 '64.



WAKULICH, A.

Polynomials in  $x$  which Assume Integral Values for Integral  $x$   
Byull. Pol'sk AN, Vol 2, No 3, 1954, pp 107-109

The author demonstrates the form a polynomial of degree  $n$  must have in order that it assume integral values for all integral values of the variable. This generalizes the work of the American mathematicians L. Dickson (1928) and R. James (1934). (RZhMat, No 5, 1955)

SO: Sum. No. 639, 2 Sep 65

13. Pawlak, Z., and Wakulicz, A., Use of expansions with a negative basis in the arithmetic of a digital computer (in Russian), *Bull. Acad. Polonaise Sci. Cl. III* 5, 233-236, 1957. 3

The authors suggest the use of a negative basis for representing numbers in a computer in order to obtain a uniform treatment of all the bits within the arithmetic unit. The possibility of such a representation is based on the theorems that every real number  $\alpha$  possesses an expansion with an integer basis  $g < -1$  and that this expansion is unique if it is finite or in the case of infinite expansions, if the number  $\alpha$  is not of the form

$$\alpha = E(g^k/(1-g)) + Cg^{k+1} \quad (E = \pm 1, C, k \text{ integers}).$$

The numbers satisfying this relation have two distinct infinite expansions. The algorithms for addition, subtraction, multiplication and division are discussed. These operations are somewhat more complicated than in the case of a positive basis, particularly the division. Further, the 0 in the case of fixed point numbers is not at the center of the interval, thus avoiding the difficulty of "+0" and "-0."

The authors claim that since their system allows to treat all the bits of a number uniformly (no special sign position) the number of circuits in the arithmetic unit with different functions can be reduced.

U. W. Hochstrasser, USA

*Courtesy of Mathematical Reviews*

WAKULICZ, Jerzy, mgr inż.

Research on the noisiness of combustion locomotives. Przegl  
kolej mechan 13 no.7:203-204, 213-217 JI '61.

WAL, Witold

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1. Laboratory of Physics of Polymers of the Department of  
Technical Physics of the Institute of General Chemistry,  
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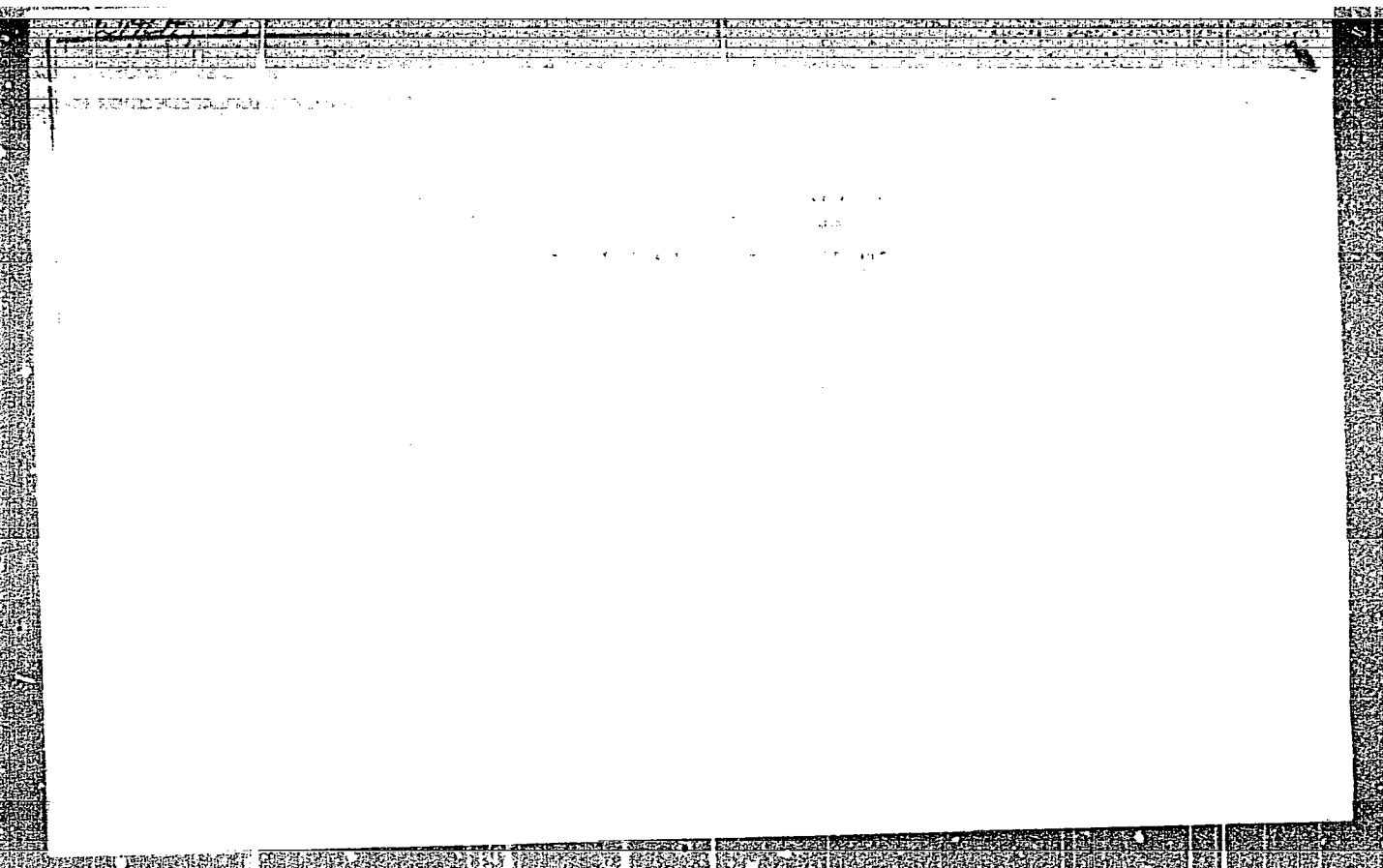
WAL, Witold

Effect of conditions for sample preparation on the degree of orientation of polypropylene. Polimery tworzywa 10 no.2: 52-55 F '65.

1. Laboratory of Physics of Polymers of the Department of Technical Physics of the Institute of General Chemistry, Warsaw. Submitted July 11, 1964.

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CIA-RDP86-00513R001961430004-3



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WALA, ANTONI

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Dolomitic salt in the Wieliczka deposits. p. 105.

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Poland, Vol. 29, no. 1, 1959.

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WALA, T.

"The Barographic Record Foretells ", P. 252, (KRIDLA VLASTI, No. 11,  
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SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,  
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WALA, T.

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SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
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The tube of an air-speed indicator. p. 152. (Kridla Vlasti, No. 5, Mar 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

WALA, T.

A tail assembly in the form of a butterfly. p. 201. (Kridla Vlasti, No. 7, Apr 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.



KORZYCZ, "Elektro, sp. z o.o.; H&A, Alojzy, inż.

Development trends in the design of lifting equipment in general  
and apartment buildings. pt. 2. Masz. elektryczne 33.1. 352-355  
n. 164.

1. Association of Cable and Electrical Engineering Equipment Industry,  
Warsaw (for Korzycki). 2. Electrical Engineering Equipment Factory,  
Warsaw (for H&A).

MORZYCKI, Witold, mgr inz.; WALA, Alojzy, inz.

Development trends of designing electric installations and equipment in apartments and general buildings. Pt.1. Wied elektrotechn 33 no.10:292-295 0 '64.

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WALACH, K.

669 04

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Walach K., Eng. Mechanical Furnaces.

"Piece mechaniques", Hutnik. No 1-2, 1949, pp. 38-44, 6 figs.  
By the construction of the mechanical furnace, the hard work entailed by the loading of the charge into the furnace, shifting and withdrawing it, has been eliminated. The only suitable constructional material is heat-resisting steel. Therefore, mechanical furnaces can be used for all kinds of heat-treatment involving temperatures not exceeding 1050°C or thereabouts, and in exceptional cases up to 1100°C. By adopting a system of top and bottom heating, an entirely uniform temperature distribution has been obtained, as well as a considerably increased radiating surface. The fuel consumption in a mechanical furnace is very similar to that in a continuous furnace, and in certain instances even smaller. The heat losses in this type of furnace are higher than in a continuous furnace, but this is offset by lower working temperature and smaller flue losses. The further development of mechanical furnaces to work at temperatures in excess of 1100°C will proceed along the lines of combining heat resisting steel with a suitable refractory material. The author deals with 6 groups of mechanical furnaces at present in use, giving details of their features, nature of work for which they are intended, performance and financial return.

BIALAS, Zabiwn, A.; SKULSKA, E.; WALACH, Z.

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1. Institute of Physics of the Jagiellonian University, Krakow.

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Problems of urban cable networks. Energetyka Pol  
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HIMMEL, Andrzej; TKACZEWSKI, Wladyslaw; PRZEDLACKI, Janusz; WALASEK, Lech;  
PLONKA, Andrzej

Evaluation of single administrations of polythiazide in normal  
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HIMMEL, Andrzej; PRZEDLACKI, Janusz; TKACZEWSKI, Wladyslaw; WALASEK, Lech

Evaluation of thiazide-induced antidiuresis during water diuresis.  
Pol. arch. med. wewnet. 34 no.9:1177-1181 '64

1. Z III Kliniki Chorob Wewnetrznych Wojskowej Akademii Medycznej  
(Kierownik: prof. dr. med. A. Himmel)

ACC NR: AP6032359

(A)

SOURCE CODE: PO/0035/65/000/014/0443/0443

INVENTOR: Roda, Tadeusz (Master Engineer); Golobioski, Slawomir; Walasek, Miroslaw

ORG: Center for Motor Transportation Research, <sup>Wigiesmo</sup> (Osrodek Badan Transportu Samochodowy)

TITLE: Testing diaphragm type fuel pumps for light fuels PO Pat. No. 50697

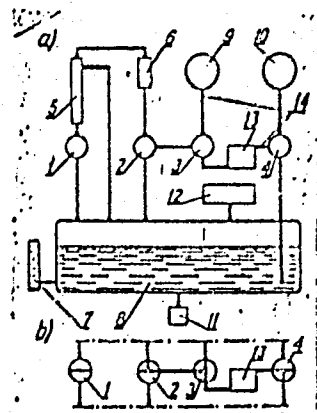
SOURCE: Przegląd mechaniczny, no. 14, 1966, 443

TOPIC TAGS: fuel injection, pump, ~~test~~ test facility, test method, *ENGINE FUEL*

ABSTRACT: The invention is a device for testing diaphragm feed pumps for light fuels driven by the shaft of a control engine or the shaft of an injection pump. The device, intended for testing diaphragm pumps of all types of motor vehicles, can constitute the equipment of a service station and of automobile repair establishments. The testing routine for pumps includes measurement of the vacuum at the suction end, measurement of the pressure at the delivery end, measurement of the pressure drop at the delivery end, and the output. As can be seen from diagram a, the fuel system of the installation consists of fuel tank 8 fitted with a level indicator 7 and an overflow basin with a grid 12 and a drain valve 11. The following elements are connected by fuel lines 14 to the tank: output measurement tank 5, fuel flow sight-glass 6, manometer 9 and vacuum gauge 10. At the same time the fuel flow to the pump being tested 13 is regulated by two-way valve 1 and by the three three-way valves 2,3, and 4 connected to a special system. As an example the method of measuring the output of pump 13 is given below.

Card 1/2

ACC NR:AP6032359



Diagrams a) and b)

SUB CODE: 13 / SUBM DATE: 15Mar66

Diagram b illustrates the system of valves for this case. At the moment when the fuel column reaches the zero position on the scale of the output measurement tank, the stop-watch must be engaged. After 30 seconds the stop-watch must be turned off and the level of valve 2 must be switched on. Then the amount of fuel  $q$  must be read off the scale of the output measurement tank. The output of the pump tested can be computed from the formula  $Q = q \cdot 3.6/t$  where  $t$  is the measurement time in seconds. Orig. art. has: 2 figures.

Card 2/2

WALASIK, J.

"Standardization in the Silk Industry," P. 298. (WIADOMOSCI, Vol. 22, No. 6, June, 1954, Warszawa, Poland)

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POLAND/Chemical Technology - Chemical Products and Their  
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H-32

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 27204

Author : Walasik Jan

Inst :

Title : Trend in Development and Application Domain of Artificial Fibers.

Orig Pub : Przem. włokienniczy, 1956, 10, No 9, 409-414

Abstract : A review of development in worldwide production and use  
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Card 1/1

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TECHNOLOGY

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WALASZCZYK, Edmund, mgr inż.

Arc hardfacing of rails without preheating. Przegl spaw  
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1. Swidnicka Fabryka Urzadzen Przemyslowych, Swidnica.

BIERNACKI, Andrzej; CZARNIECKI, Wincenty; DORYWALSKI, Tadeusz, GLINSKA,  
Danuta; KOWALSKA, Maria; KROTKIEWSKI, Andrzej; SICIESKI, Alfred  
STASIAKOWA, Lucja, SZAJEWSKI, Janusz; WALASZEWSKA, Barbara

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prof. dr nauk med. A. Biernacki:  
(VASCULAR DISEASES, PERIPHERAL, ther.  
drug. ther., follow-up (Pol))



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Treatment of peripheral vascular diseases with intra-arterial injections  
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prof. dr nauk med. A. Biernacki. Adres autora: Warszawa, Solec,  
Szpital Miejski, Oddział Wewnętrzny.

(VASCULAR DISEASES, PERIPHERAL, THER.

tolazoline & other drugs, intra-arterial inject. (Pol))

(SYMPATHOLYTICS, ther. use

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KOWALSKA, Maria; GLINSKA, Danuta; WALASZEWSKA, Barbara

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WALATA, Cezary, mgr inż.

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WALANSKI, A.

In a bus around Silesia and the Dabrowa Coal Basin, p. 97.

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Warszawa, Poland. Vol. 12, no. 2, Mar./Apr. 1959.

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Uncl.